

Class Description:

Building Information Modeling (BIM) is changing the way projects are constructed. Whether you are a prime contractor using BIM across an entire project or a subcontractor impacted by a specific BIM implementation, this emerging practice requires new mindsets and technological know-how in order to achieve significant improvements in efficiency and cost control. The AGC's BIM Education Program—developed in conjunction with leading BIM practitioners, technology firms and educators—is designed to prepare construction professionals at all experience levels to successfully implement BIM on a construction project.

BIM 101 is designed specifically for construction professionals eager to learn the essential concepts of BIM. The full-day (8-hour) course explains the benefits of improved visualization on a construction project through the use of 3D, 4D, and 5D models, establishes a knowledge base of BIM terminology and outlines case studies showing successful BIM implementation.

Course Sessions:

- Session 1—What Is BIM?
- Session 2—BIM Visualization Uses and Spatial Coordination
- Session 3—BIM Scheduling, Estimating, and Facility Management
- Session 4—Getting Started with BIM

Course Learning Objectives:

- Recognize the importance of BIM
- Define common BIM terminology
- Discuss how BIM can be used as a communication and collaboration tools
- Explain the benefits of BIM
- Compare examples of successful BIM usage
- Discuss issues associated with starting BIM
- Create a BIM Action Plan